| In | dex c | of Clair | ns |
|----|-------|----------|----|
|    |       |          |    |

Allowed

| Application No.  | Applicant(s)  |  |
|------------------|---------------|--|
| 09/763,236       | FREEMAN ET AL |  |
| Examiner         | Art Unit      |  |
| Shahnam Sharareh | 1617          |  |

| Rejected | _ | (Through numer<br>Cancelled | al) |
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|          | 1 |                             |     |

Restricted

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| Α | Appeal   |
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| 0 | Objected |

|          |                            | LJ   |                   |          |          |          |                                     |              |                                     |           |
|----------|----------------------------|--|-------------------|----------|----------|----------|-------------------------------------|--------------|-------------------------------------|-----------|
| <u> </u> |                            | Date   |                   |          |          |          |                                     |              |                                     |           |
| Cla      |                            | $\vdash$   |                   |          | L        | Jate     | ,                                   |              |                                     | $\dashv$  |
| <u>_</u> | Original                   | R  |                   |          |          |          |                                     |              |                                     |           |
| Final    | rigi                       | [0]  |                   |          |          |          |                                     |              |                                     |           |
| _        | ō                          | 1  |                   |          |          |          |                                     |              |                                     |           |
|          | 1                          |  | -                 |          | _        |          |                                     |              |                                     |           |
|          | 1<br>2<br>3<br>4<br>5      |  |                   |          |          |          |                                     |              | _                                   |           |
|          | 3                          |  |                   |          |          |          |                                     |              |                                     |           |
|          | 4                          |  |                   |          |          | _        |                                     |              | -                                   | $\dashv$  |
|          | 5                          | Н  |                   |          |          |          |                                     | -            |                                     |           |
|          | 6                          |  |                   |          |          |          |                                     | -            |                                     | $\neg$    |
|          | 7                          |  |                   |          |          | _        |                                     | $\vdash$     |                                     | $\dashv$  |
|          | 7<br>8                     | $\vdash$   |                   |          |          |          |                                     | -            |                                     | $\exists$ |
|          | 9                          | ┢  |                   |          |          | -        |                                     |              |                                     |           |
|          | 10                         |  |                   | _        |          |          |                                     |              |                                     |           |
|          | 10<br>11                   | Т  |                   |          |          |          |                                     |              |                                     |           |
|          | 12                         |  |                   |          |          | $\vdash$ | Т                                   |              |                                     |           |
|          | 13                         | <del>                                     </del> |                   |          |          |          |                                     |              |                                     |           |
|          | 14                         |  |                   |          |          |          |                                     |              |                                     |           |
|          | 15                         | П  |                   | _        |          |          |                                     |              |                                     |           |
|          | 12<br>13<br>14<br>15<br>16 |  |                   | <b></b>  |          |          |                                     | <b>†</b>     | Г                                   |           |
|          | 17                         |  |                   |          |          |          |                                     |              |                                     |           |
|          | 18                         |  |                   |          | <u> </u> |          |                                     |              |                                     | П         |
|          | 18<br>19                   | П  |                   | Г        |          |          |                                     |              |                                     | П         |
|          | 20                         | <b></b>  | $\Box$            |          |          |          |                                     |              |                                     | П         |
|          | 21                         | 1  |                   |          | ┢        |          |                                     |              |                                     |           |
|          | 21<br>22                   |  |                   |          | Ι        |          |                                     | Г            |                                     |           |
|          | 23<br>24<br>25             |  |                   |          | $\vdash$ |          |                                     |              |                                     |           |
|          | 24                         |  |                   |          |          |          |                                     |              |                                     |           |
|          | 25                         | ~  |                   |          |          |          |                                     |              |                                     |           |
|          | 26<br>27                   |  |                   |          |          |          |                                     |              |                                     |           |
|          | 27                         |  |                   |          |          |          |                                     |              |                                     |           |
|          | 28                         |  |                   |          |          |          |                                     |              |                                     |           |
|          | 29<br>30                   | V  | r                 |          |          |          |                                     |              |                                     |           |
|          | 30                         | レ  |                   |          |          |          |                                     | L            |                                     |           |
|          | 31                         | V<br>0<br>V                                      |                   |          |          |          |                                     |              | $oxedsymbol{oxedsymbol{oxed}}$      |           |
|          | 32                         | 1/   |                   |          |          |          |                                     |              |                                     |           |
|          | 33                         |  |                   |          | _        |          |                                     | $oxed{oxed}$ | L                                   |           |
|          | 34                         |  | $ldsymbol{f eta}$ | L.       | L        | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш         |
| <u> </u> | 35                         | <u> </u>   | L                 | <u> </u> | L        |          | <u> </u>                            | L.           | ļ                                   | Ш         |
| <u> </u> | 36                         | Ļ  | _                 |          | <u> </u> | <u> </u> | <u> </u>                            | <u> </u>     | <u> </u>                            | $\sqcup$  |
| L        | 37                         | Ľ  | <u>K</u>          | <u> </u> |          | <u> </u> | _                                   | L.           | _                                   | Щ         |
| <u> </u> | 38                         | V  | <u> </u>          |          | <u> </u> | <u> </u> | <u> </u>                            | _            | $\vdash$                            |           |
|          | 39                         | <u> </u>   | <u> </u>          | ļ        | _        | <u> </u> | $\vdash$                            | <u> </u>     |                                     | $\sqcup$  |
| ļ        | 40                         | <u> </u>   | <u> </u>          | -        | <u> </u> | _        | _                                   | <del> </del> | <del> </del>                        | $\sqcup$  |
|          | 41                         | <u> </u>   | ļ                 | <u> </u> | _        | _        | _                                   | ऻ_           | <u> </u>                            | $\square$ |
|          | 42                         | <u> </u>   | _                 |          | <u> </u> | <u> </u> | _                                   | <u> </u>     | <u> </u>                            | <u> </u>  |
|          | 43                         | <u> </u>   | <u> </u>          | <u> </u> | <u> </u> | <u> </u> |                                     | <u> </u>     | <u> </u>                            | Ш         |
|          | 44                         | <u> </u>   | <u> </u>          |          | <u> </u> | <u> </u> | <u> </u>                            | <u> </u>     | _                                   | Щ         |
|          | 45                         |  | <u> </u>          | <u> </u> |          | <u> </u> | <u> </u>                            | <b> </b>     | <u> </u>                            | Щ         |
| <u> </u> | 46                         | 1/   | <u> </u>          | <u> </u> | <u> </u> | <u> </u> | <u> </u>                            | <u> </u>     | <u> </u>                            | Щ         |
|          | 47                         | V  | 4                 |          | <u> </u> | <u> </u> | _                                   | <u> </u>     | _                                   | Щ         |
|          | 48                         | 1  | <u>_</u>          | <u> </u> | _        | <u> </u> | _                                   | _            | <u> </u>                            | Ш         |
|          | 49                         | レ  | <u> </u>          |          | <u> </u> | <u> </u> | <u> </u>                            | <u> </u>     | <u> </u>                            | Щ         |
| I        | 50                         | 1  | 1                 | l        | l        | l        | i                                   | l            | 1                                   | ı i       |

| 01       |          |              |  |  |          | ١        |  |          |          |          |
|----------|----------|--------------|--|--|----------|----------|--|----------|----------|----------|
| Cla      | im       | _            |  |  |          | Date     | ;  |          | $\neg$   |          |
| Final    | Original |              |  |  |          |          |  |          |          |          |
|          | 51       |              |  |  |          |          |  |          |          |          |
|          | 52       |              |  |  |          |          |  |          |          |          |
|          | 53       |              |  |  |          |          |  |          |          |          |
|          | 54       |              |  |  |          |          |  |          |          |          |
|          | 55       |              |  |  |          | _        |  |          |          |          |
|          | 56       |              |  |  |          |          |  | _        |          | _        |
|          | 57       |              |  | $\vdash$   |          |          | _  |          |          |          |
|          | 58<br>59 |              | _  |  | _        |          |  |          |          | _        |
|          | 60       |              |  |  |          |          |  |          | _        |          |
|          | 61       |              |  | -  |          |          |  |          |          |          |
|          | 62       |              |  |  |          |          |  |          |          | -        |
|          | 63       |              |  |  |          |          |  |          |          |          |
|          | 64       |              |  |  |          |          |  |          |          |          |
|          | 65       |              |  |  | _        |          |  |          |          |          |
|          | 66       |              |  |  |          |          |  |          |          |          |
| <u></u>  | 67       |              |  |  |          |          |  | _        |          |          |
|          | 68       |              | -  |  |          |          |  |          |          |          |
| -        | 69       |              | _  |  |          |          | $\vdash$   | _        |          |          |
|          | 70<br>71 |              |  | ├-   | -        |          |  |          |          | -        |
|          | 72       |              | -  |  |          | $\vdash$ |  |          |          | -        |
|          | 73       |              | -  | -  |          | $\vdash$ | <del>                                     </del> | -        |          |          |
|          | 74       | <del> </del> | -  |  |          | -        | _  |          |          | _        |
|          | 75       |              |  |  |          |          |  |          |          |          |
|          | 76       |              |  |  |          |          |  |          |          |          |
|          | 77       |              | _  |  |          |          |  |          |          |          |
|          | 78       | ļ            | _  | _  | <u> </u> | <u> </u> | _  |          |          |          |
|          | 79       | ļ            | _  | <u> </u>   | _        | ┝        |  |          |          |          |
| }        | 80       |              | _  |  |          | <u> </u> | -  |          | $\vdash$ | H        |
| -        | 81<br>82 | $\vdash$     | _  | $\vdash$   | $\vdash$ | -        |  | -        |          |          |
| $\vdash$ | 83       |              | _  | $\vdash$   | ┢        | -        | -  |          |          |          |
|          | 84       | -            | <del>                                     </del> | H  |          | $\vdash$ |  |          |          | $\vdash$ |
|          | 85       |              |  |  |          |          |  |          |          |          |
|          | 86       |              |  |  |          |          |  |          |          |          |
|          | 87_      |              |  |  | L        | <u> </u> | <u> </u>   | _        |          | Ĺ        |
| ļ        | 88       | $\vdash$     | L  | L_   |          |          | <u> </u>   | <u> </u> | L        | _        |
| <u> </u> | 89       |              | -  | _  | _        |          | ļ  |          |          | L        |
| -        | 90       | _            |  |  | ⊢        |          | ļ  |          |          | L        |
| -        | 91<br>92 |              | -  | $\vdash$   | $\vdash$ | -        |  |          |          | $\vdash$ |
|          | 93       |              |  | <del>                                     </del> | <u> </u> |          | $\vdash$   |          |          | $\vdash$ |
|          | 94       | $\vdash$     | -  |  | <u> </u> |          |  |          | <u> </u> |          |
|          | 95       |              |  | ľ  |          |          |  |          |          |          |
|          | 96       |              |  |  |          |          |  |          |          |          |
|          | 97       |              |  |  |          |          |  |          |          |          |
|          | 98       |              |  |  |          |          | _  |          |          | _        |
|          | 99       | <u> </u>     | _  | <b> </b>   | <u> </u> | _        | <u> </u>   | <u> </u> |          | _        |
|          | 100      |              |  |  | Ĺ.       | L        | L_   |          |          |          |

| Cli          | aim                             |          |          |              | [        | Date         | <br>}    |          |  |  |
|--------------|---------------------------------|----------|----------|--------------|----------|--------------|----------|----------|--|--|
|              | <b>S</b>                        |          |          |              |          |              |          |          |  |  |
| Final        | Original                        |          |          |              |          |              |          |          |  |  |
|              | 101<br>102<br>103               |          |          |              |          |              |          |          |  |  |
|              | 102                             |          | <u> </u> |              |          |              |          |          |  |  |
|              | 103                             |          |          |              |          |              |          | _        |  | $\dashv$   |
|              | 104                             |          |          |              |          |              |          |          |  |  |
|              | 104<br>105<br>106               | -        |          |              |          |              |          |          |  | $\vdash$   |
|              | 107                             |          |          |              |          |              |          |          |  | H  |
|              | 108                             |          |          |              | -        |              |          |          |  |  |
|              | 109                             |          |          |              |          |              |          |          |  |  |
|              | 110                             |          |          |              |          |              |          |          |  |  |
|              | 111<br>112<br>113<br>114<br>115 | <u> </u> |          | <u> </u>     |          |              |          | _        |  |  |
|              | 112                             | -        | -        | ├            |          |              |          |          |  |  |
|              | 1114                            | $\vdash$ |          | -            |          |              |          |          |  |  |
|              | 115                             |          |          | -            |          |              |          |          |  |  |
| -            | 116                             | $\vdash$ |          |              |          | <u> </u>     |          |          |  |  |
|              | 117                             |          |          |              |          |              |          |          |  |  |
|              | 118                             |          |          |              |          |              |          |          |  |  |
|              | 119                             |          | _        | <u> </u>     |          |              |          |          |  | _  |
|              | 120<br>121<br>122               |          | _        |              | ļ        |              |          | _        |  |  |
|              | 121                             |          | _        |              | -        |              |          |          | ļ  | -  |
|              | 122                             |          | ⊢        |              | -        |              |          |          |  |  |
|              | 123<br>124<br>125<br>126        |          | -        | -            |          |              |          |          | ļ —  |  |
|              | 125                             |          |          |              |          |              |          |          | -  | -  |
|              | 126                             |          |          |              |          |              |          |          |  |  |
|              | 127                             |          |          |              |          |              |          |          |  |  |
|              | 128<br>129                      |          |          | _            | _        |              | _        |          | _  |  |
|              | 129                             |          | <u> </u> | <u> </u>     |          | $\vdash$     | ļ        | _        | $\vdash$   |  |
|              | 130                             |          | -        |              | $\vdash$ |              | -        |          |  | -  |
|              | 131<br>132                      |          |          |              |          |              | -        |          | -  | <del>                                     </del> |
|              | 133                             |          | $\vdash$ | <del> </del> |          | <u> </u>     | -        |          | $\vdash$   |  |
|              | 134                             |          |          | · · ·        |          |              |          |          |  |  |
|              | 135                             |          |          |              |          |              |          |          | L  |  |
|              | 136                             |          | _        | <u> </u>     | <u> </u> |              | L.       |          |  |  |
|              | 137                             | ļ        | ļ        |              | <u> </u> |              | _        | _        | _  |  |
| <u> </u>     | 138<br>139                      | $\vdash$ |          | -            |          | -            |          |          |  | ├  |
| <del> </del> | 140                             | $\vdash$ | ╁        | $\vdash$     |          | $\vdash$     | ├        | -        |  | -  |
| $\vdash$     | 141                             |          |          |              |          |              | -        |          | <del>                                     </del> | <del> </del>                                     |
|              | 142                             |          |          |              |          |              |          |          |  |  |
|              | 143                             |          |          |              |          |              |          |          |  |  |
|              | 144                             | _        |          |              | L        |              | ļ        | L        |  |  |
|              | 145                             | L        | ļ.,      | _            | _        | <u> </u>     | <u> </u> | _        | _  | ļ  |
|              | 146                             | <u> </u> |          |              | $\vdash$ | $\vdash$     | <u> </u> | _        |  | <u> </u>   |
| -            | 147<br>148                      | -        |          | -            |          | <del> </del> | -        | -        | -  | ├  |
|              | 149                             | -        |          |              | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | -  | <del> </del>                                     |
|              | 150                             | $\vdash$ | $\vdash$ | -            | $\vdash$ | $\vdash$     | -        | -        | -  | <del>                                     </del> |
| L            | 1                               |          |          |              | L        | 1            | L        | _        |  | L  |